PTO/SB/05 (11-00)
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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. First Inventor See 1 in Addendum

(Only for new nonprovision	nal applications under 37 CFR 1.53(b)) Ex	press Mail Label N	o. EF 227 53	30 271 US			
APPLICATION ELEMENTS			ADDRESS TO: Assistant Commissioner for Patents, Box Patent Application					
See MPEP chapter 600 concerning utility patent application contents.			ADDITEGO TO.	Washington, DC 2				
	orm (e.g., PTO/SB/17)			D-R in duplicate, larg	ge table or			
(Submit an original and a duplicate for fee processing) Applicant claims small entity status.			Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission					
See 37 CFR 1.27 Specification	. [Total Pages 31]		(if applicable, all nec	• /				
3. X Specification [Total Pages 51] (preferred arrangement set forth below) - Descriptive title of the invention			a. Computer Readable Form (CRF)					
- Cross Reference	ce to Related Applications		b. Specification Seq	•	>-			
	arding Fed sponsored R & D equence listing, a table,		🗖	ROM or CD-R (2 copi	es); or			
	orogram listing appendix		i i pape c Statements	ı verifying identity of a	bove copies			
- Brief Summary	of the Invention			ING APPLICATI				
- Brief Description - Detailed Descri	on of the Drawings (<i>if filed</i>) iption		<u> </u>	Papers (cover sheet				
- Claim(s)			37 CFR 3.73	(b) Statement	T Power of			
- Abstract of the	Disclosure	ר	(Wrien there	is an assignee) └	Attorney			
4. X Drawing(s) (35 U	J.S.C. 113) [Total Sheets8	ן ל		slation Document (if	applicable) Copies of IDS			
5. Oath or Declaration	[Total Pages 5]]	12. X Statement (II	DS)/PTO-1449	실 Citations			
a. X NAWX AXE	tuted Into (original or copy)		13. Preliminary Amendment					
Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed)			14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)					
i. DELETION OF INVENTOR(S)			15. Certified Copy of Priority Document(s) (if foreign priority is claimed)					
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR			16 Request and Certification under 35 U.S.C. 122					
1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.				form PTO/SB/35				
6. Application Data Sheet. See 37 CFR 1.76			17. X Other: Check #199591 for \$962					
18. If a CONTINUING APPLI	ICATION, check appropriate box, and	supply ti						
or in an Application Data She								
Continuation Prior application information:	Divisional Continuation-in-part (CIP)	of prior application No.: Group Art Unit:					
For CONTINUATION OR DIVISI	IONAL APPS only: The entire disclosure	of the pri	or application, from which	an oath or declaratio	n is supplied under			
Box 5b, is considered a part o The incorporation can only be	f the disclosure of the accompanying co relied upon when a portion has been in	ontinuatio advertenti	n or divisional application ly omitted from the submit	and is hereby incorpo ted application parts.	orated by reference.			
	19. CORRESPO	ONDENC	E ADDRESS					
Customer Number or Bar Code Label This articustomer No. or Attachiber code (abe) finance Or X Correspondence address below								
Name	Jeffrey A. Michael			<u></u>				
	Baker & Daniels							
Address	300 N. Meridian St.	Suit	e 2700					
City	Indianapolis	Sta	ate IN	Zip Code	46204			
Country	USA	Telepho	one 317-237-0	300 Fax	<u>B17-237-100</u> 0			
Name (Print/Type)	Jeffrey A. Michael		Registration No. (Att	torney/Agent) 37	7,394			
Signature Seff A. Michael Date January 31, 200								
Burden Hour Statement: This form	is estimated to take 0.2 hours to complete	e Time wi	l vary depending upon the					

the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Attachment to PTO/SB/05 (11-00) UTILITY PATENT APPLICATION TRANSMITTAL

1. SYSTEM AND METHOD FOR ESTIMATING EGR MASS FLOW AND EGR FRACTION

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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FEE TRANSMITTAI for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

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Application Number		P T		l	
Filing Date	Herewith	.0			
First Named Inventor	Salim A. Jaliwala	Z.S.			
Examiner Name		J		Ì	
Group Art Unit		84 09		ŀ	
Attorney Docket No.	CEC-127/SD-2131	jс	7		

METHOD OF PAYMENT	FEE CALCULATION (continued)	·			
1. X The Commissioner is hereby authorized to charge indicated fees and credit any overnayments to:	3. ADDITIONAL FEES				
I LX indicated fees and credit any overpayments to: Deposit	Large Small				
Account Number 02-0390	Entity Entity Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe	Fee Paid			
Deposit	Code (\$) Code (\$)	1001 ald			
Account Name Baker & Daniels	105 130 205 65 Surcharge - late filing fee or oath				
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet				
Applicant claims small entity status.	139 130 139 130 Non-English specification				
See 37 CFR 1.27	147 2,520 147 2,520 For filing a request for ex parte reexamina	tion			
2. Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to				
Check Credit card Money Other	Examiner action 113 1.840* 113 1.840* Requesting publication of SIR after				
FEE CALCULATION	Examiner action				
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month				
Large Entity Small Entity	116 390 216 195 Extension for reply within second month				
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	117 890 217 445 Extension for reply within third month				
101 710 201 355 Utility filing fee	118 1,390 218 695 Extension for reply within fourth month	-			
106 320 206 160 Design filing fee	128 1,890 228 945 Extension for reply within fifth month				
107 490 207 245 Plant filing fee	119 310 219 155 Notice of Appeal				
108 710 208 355 Reissue filing fee	120 310 220 155 Filing a brief in support of an appeal				
114 150 214 75 Provisional filing fee	121 270 221 135 Request for oral hearing				
	138 1,510 138 1,510 Petition to institute a public use proceeding)			
SUBTOTAL (1) (\$)	140 110 240 55 Petition to revive - unavoidable				
2. EXTRA CLAIM FEES Fee from	141 1,240 241 620 Petition to revive - unintentional				
Extra Claims below Fee Paid	142 1,240 242 620 Utility issue fee (or reissue)				
Total Claims 34 -20** = 14 x 18 = 252	143 440 243 220 Design issue fee				
Independent 3 - 3** = 0 x 80 = 0	144 600 244 300 Plant issue fee				
Multiple Dependent 270 = 0	122 130 122 130 Petitions to the Commissioner				
	123 50 123 50 Processing fee under 37 CFR 1.17(q)				
Large Entity Small Entity Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt				
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)				
102 80 202 40 Independent claims in excess of 3	146 710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a))				
104 270 204 135 Multiple dependent claim, if not paid 109 80 209 40 ** Reissue independent claims over original patent	149 710 249 355 For each additional invention to be examined (37 CFR § 1.129(b))				
110 18 210 9 ** Reissue claims in excess of 20	179 710 279 355 Request for Continued Examination (RCE)				
and over original patent	169 900 169 900 Request for expedited examination of a design application				
SUBTOTAL (2) (\$) 962	Other fee (specify)				
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)	962			

SUBMITTED BY			Complete (if applicable)				
Name (Print/Type)	Jeffrey A. Michael	Registration No. (Attorney/Agent)	37 30%	Telephone	(21.7)	227	_0200
Signature	Soft A. Nichay		37,334	Date J	anuary	31,	2001

PTO/SB/06 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application or Docket Number PATENT APPLICATION FEE DETERMINATION RECORD CEC-127/SD-2131 OTHER THAN **CLAIMS AS FILED - PART I SMALL ENTITY SMALL ENTITY** (Column 2) (Column 1) FOR NUMBER FILED NUMBER EXTRA RATE **FEE** RATE FEE **BASIC FEE** \$710 S OR (37 CFR 1.16(a)) TOTAL CLAIMS minus 20 =OR 34 14 x \$_18 252 INDEPENDENT CLAIMS minus 3 = OR <u> 80</u>= 0 0 (37 CFR 1.16(b)) MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d)) OR 0 OR **TOTAL** If the difference in column 1 is less then zero, enter "0" in column 2 TOTAL OTHER THAN CLAIMS AS AMENDED - PART II OR SMALL ENTITY SMALL ENTITY (Column 1) (Column 2) (Column 3) **CLAIMS HIGHEST** ADDI-ADDI-REMAINING PRESENT NUMBER **RATE** TIONAL TIONAL **RATE AMENDMENT** AFTER **PREVIOUSLY EXTRA** FEE FEE AMENDMENT PAID FOR OR Total = Minus (37 CFR 1.16(c)) OR Independent *** Minus (37 CFR 1.16(b)) OR ÇÇ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) OR TOTAL TOTAL OR ADDIT. FEE (Column 1) ADDIT. FEE (Column 2) (Column 3) **CLAIMS HIGHEST** ADDI-ADDI- \mathbf{B} REMAINING NUMBER PRESENT RATE TIONAL TIONAL **RATE AMENDMENT** Ų **AFTER PREVIOUSLY EXTRA** FEE FEE AMENDMENT ŀ PAID FOR OR Total (37 CFR 1.16(c)) Minus = OR *** Independent = Minus OR (37 CFR 1.16(b)) (37 CFR 1.16(d)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM OR **TOTAL** TOTAL. OR ADDIT. FEE ADDIT. FEE (Column 1) (Column 2) (Column 3) **CLAIMS HIGHEST** ADDI-ADDI-REMAINING **PRESENT** NUMBER **RATE** TIONAL TIONAL RATE **AMENDMENT AFTER PREVIOUSLY EXTRA** FEE FEE AMENDMENT PAID FOR OR Total (37 CFR 1.16(c)) Minus = OR Independent Minus OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) OR TOTAL TOTAL OR * If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ADDIT. FEE ADDIT. FEE ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

Date: <u>January 31, 2001</u>

Attorney Scket No.: CEC-127/SD-2131

BOX PATENT APPLICATION

Commissioner for Patents Washington, D.C. 20231

Re:

Application for United States Letters Patent

Applicants:

Salim A. Jaliwala, Paul R. Miller, Larry J. Brackney, Thomas A. Dollmeyer, Chuan He, George Brunemann,

John F. Wright, Stephen J. Charlton

Title of Invention:

SYSTEM AND METHOD FOR ESTIMATING EGR MASS

FLOW AND EGR FRACTION

Sir:

Forwarded herewith is the above-identified application, consisting of the following:

Specification (21 Pages)

Claims (9 Pages)

Abstract of the Disclosure X

Drawings (8 sheets)

Declaration __ Executed X Unexecuted

Information Disclosure Statement

Form PTO/SB/08A (1 pg.)

14 references

Patent Application Fee Determination Record

Fee Transmittal

Utility Patent Application Transmittal

Check #199591 for \$962.00

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-0390, BAKER & DANIELS. A duplicate copy of this sheet is enclosed.

[X] Any additional filing fees required under 37 CFR 1.16.

The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 02-0390, BAKER & DANIELS. A duplicate copy of this letter is enclosed.

- [X] Any patent application processing fees under 37 CFR 1.17.
- [X] Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

Jeffrey A. Michael

Registration No. 37,394

Attorney for Applicants

BAKER & DANIELS 300 N. Meridian St., Suite 2700 Indianapolis, IN 46204

TELEPHONE: 317-237-0300 FACSIMILE: 317-237-1000

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